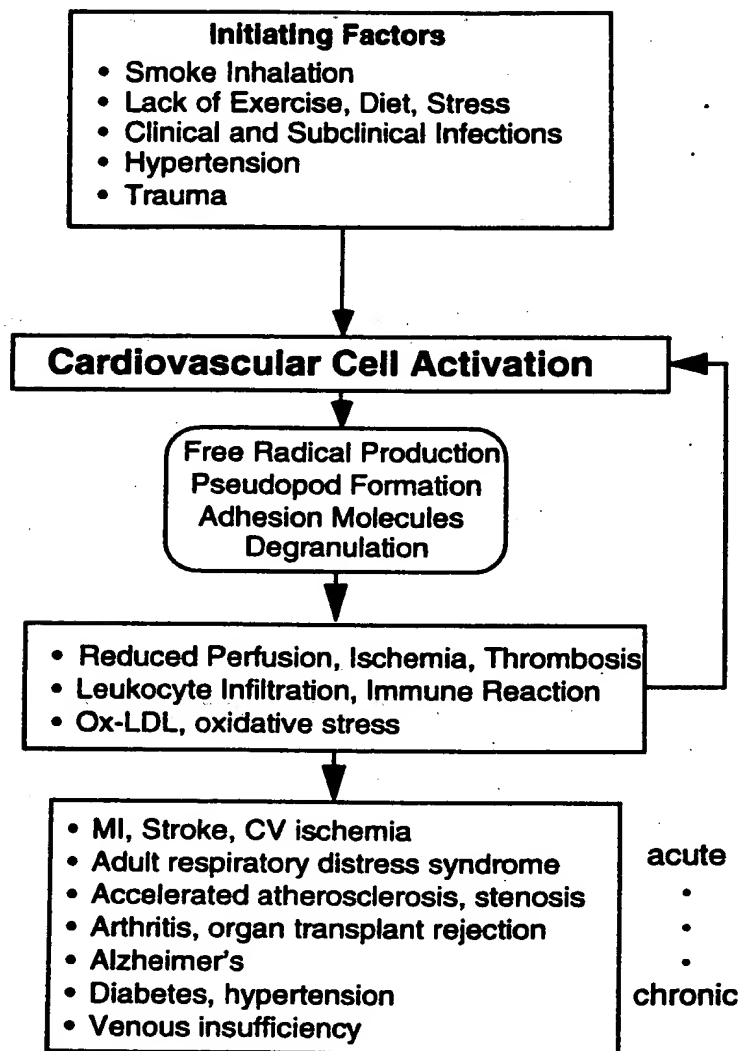
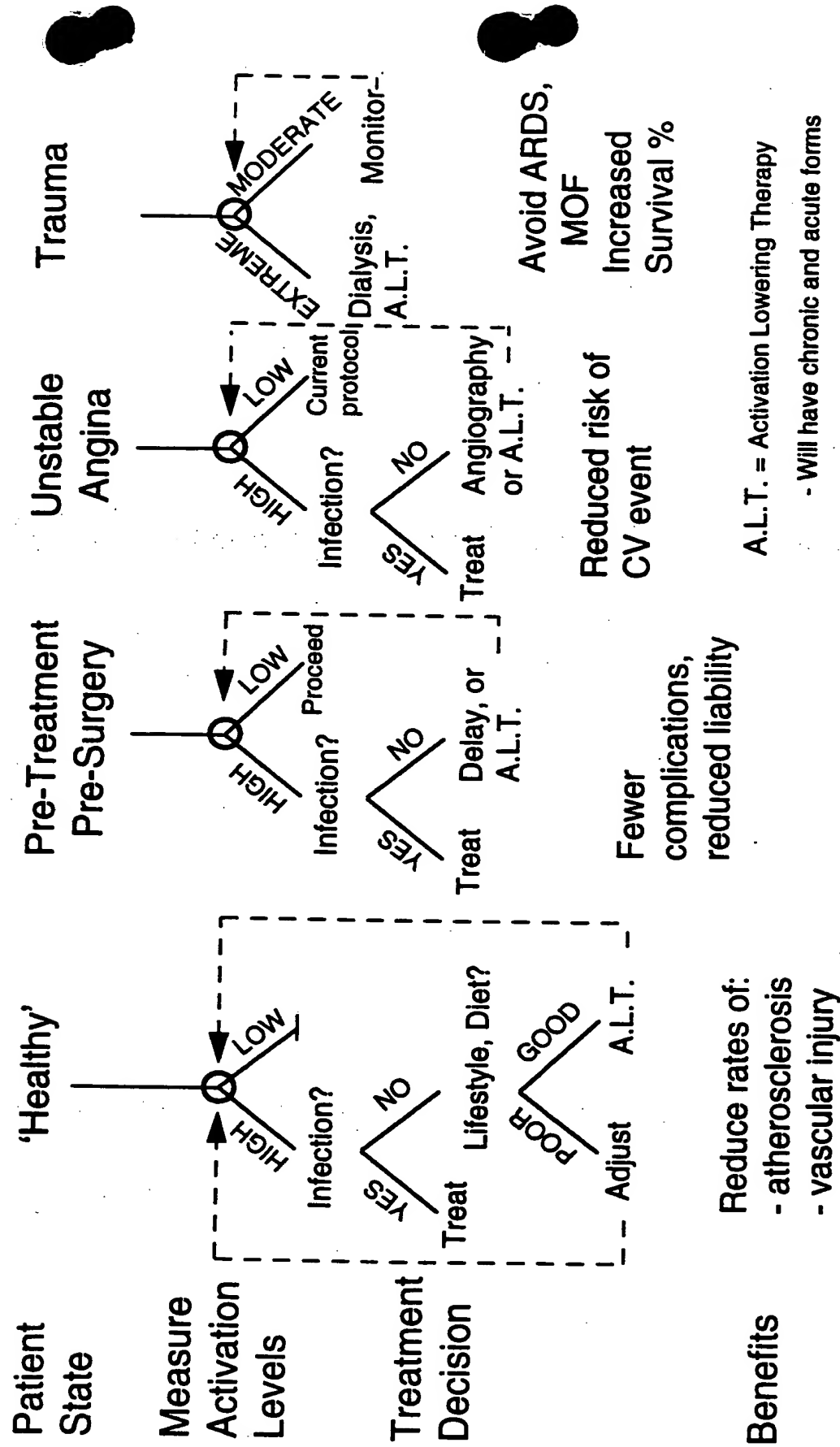


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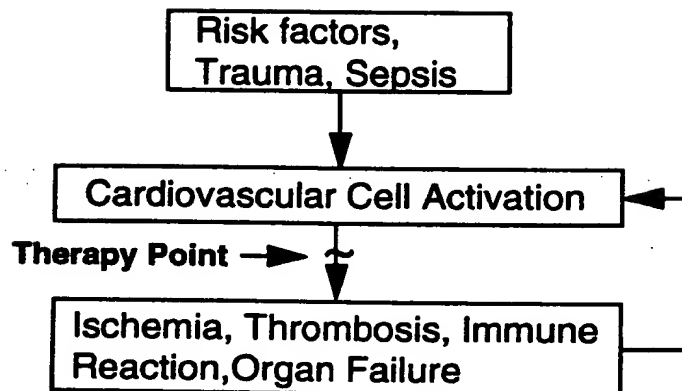


**FIGURE 1**

# Cell Activation Diagnostic and Therapy Points



**FIGURE 3a**



**FIGURE 3b**

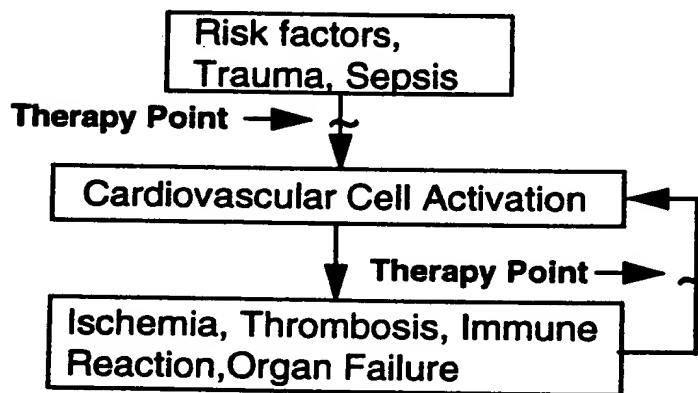
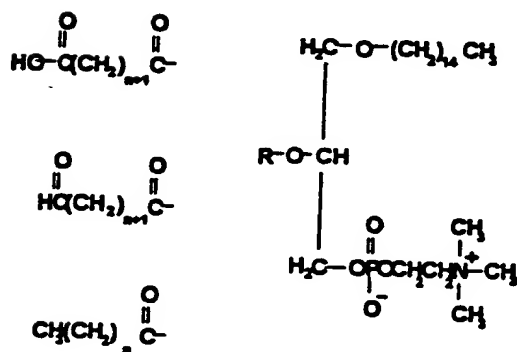
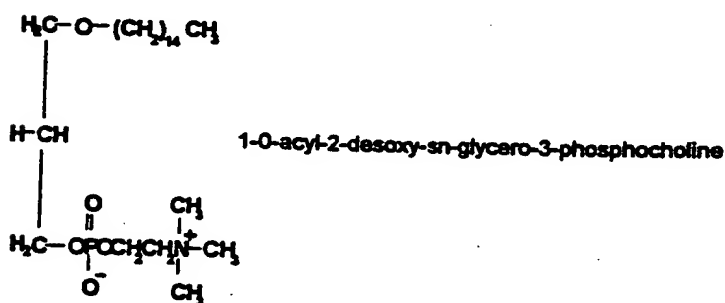
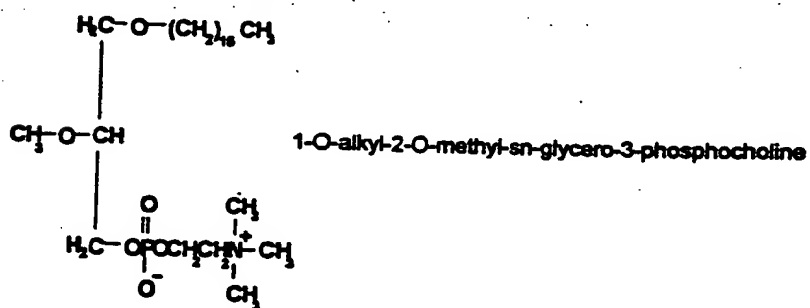
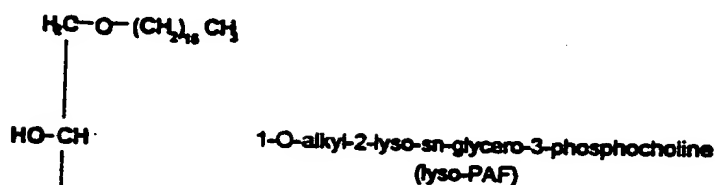
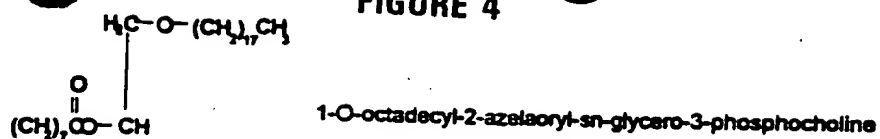


FIGURE 4



derived from:  
docosahexaenoic acid-containing phosphatidylcholine (n=1),  
arachidonic acid-containing phosphatidylcholine (n=2), and  
linoleic acid-containing phosphatidylcholine (n=6)

## FIGURE 5a

Letter Key for peptide origin:

b = bovine  
h = hamster  
m = man  
o = other  
r = rat

SR  
AR  
TNA  
NAL  
AL  
TPTDDDDDK  
FPLDDDDDK  
FPVDDDDDK  
APFDDDDDKI  
APFDDDDDK  
DDDDDK  
CGVPAIQPVLSGLSR  
CGVPAIPPVLSGLSR  
CGVPAIQPVLSGL  
CGVPAIPPVLSGLSR  
CGVPSIPPVLS  
CGVPAIKPALBFB  
MAFLWLVSCFALVGATFG  
MLRFLVFASLVLYGHS  
MIRALLSTLVAGALS  
CGYPTYEVQHDVSR  
TQDFPETNAR  
DFPETNAR  
CGLPANLPQLPR  
CGDPTYPPYVTR  
CGVSTYAPDMSR  
FPVDDDDDK  
VDDDDDK  
DSGISPR  
EEGISSR  
EAGLNSR  
GISPR  
ENGISPR  
EHP  
EHWSYGLRPG  
VHLSAEEKEA  
AGCKNFFWKFTSC  
CYIQNCPRG  
CYIQNCPLG  
HSQGTFTSDYSKYLDSSRAQDFVQWLMNT  
RPPGFSPFR  
HSDGTFTSELSRLRDSARLQRLQGLV  
ISDRDYMGWMDF  
SDNNQQGKSAQQGGY  
ECG

p chymotrypsinogen A(14-15)  
p chymotrypsinogen B(14-15)  
b neochymo A autoactivation(147-9)  
b neochymo B autoactivation(147-9)  
b neochymo B autoactivation(148-9)  
o anionic trypsinogen activation peptide  
o cationic trypsinogen activation peptide  
b cationic trypsinogen activation peptide  
h trypsinogen residue (human)  
h trypsinogen 2 peptide  
h trypsinogen 3 peptide  
b chymotrypsinogen A sigtransduction  
p chymotrypsinogen A sigtransduction  
b chymotrypsinogen B sigtransduction  
p chymotrypsinogen B sigtransduction  
p chymotrypsinogen C sigtransduction  
p chymotrypsinogen D sigtransduction  
r chymotrypsinogen B sigtransduction  
r proelastase 1 sigtransduction  
p proelastase 2 sigtransduction  
r proelastase 2  
r proelastase 1  
r proelastase 1  
p proelastase 2  
m proelastase 2A  
m proelastase 2B  
p trypsinogen  
b trypsinogen  
m phospholipase A2  
p phospholipase A2  
b phospholipase A2  
o phospholipase A2 (horse1)  
o phospholipase A2 (horse2)  
m thyrotropin-releasing  
m gonadotropin-releasing  
m growth-hormone-releasing  
m somatostatin  
m vasotocin  
m oxytocin  
m glucagon  
m bradykinin  
m secretin  
m cholecystokinin-pancreozymin (C-term)  
m scotophobin  
m glutathione

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FIGURE 5b

SYSMEHFRWGKPVGKKRRPVKVYPNGAEDELAEAFPLEF	p adrenocotricotropin
SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAUAFPLEF	m adrenocotricotropin
SYSMEHFRWGKPVGKKRRPVKVYPNGEADSAQAFPLEF	b adrenocotricotropin
SYSMEHFRWGKPV	m MSH
DIGYS	p CRP-I (C-reactive protein)
SWESA	p CRP-II (C-reactive protein)
KPQLWP	p CRP-III not reactive (C-reactive protein)
LFEVPEVT	p CRP-IV not reactive (C-reactive protein)
VGGSEI	p CRP-V not reactive (C-reactive protein)
WDFV	p CRP-VI (C-reactive protein)
NMWDFV	p CRP-VII (C-reactive protein)
LVAGD	m leukotaxin (no sequence order)
RKPVL YATNGSQDC	m leukocyte promotion factor
SYM	m ACTH fragment
BMLF	o fMLP (chemotactic factor)
TN	b chymotrypsinogen A (247-8)
SHLVE	o peptidetide cleaved by chymo C
AKKK	o peptidetide cleaved at brushborder
AAAA	o peptidetide cleaved at brshborder
KKKK	o peptidetide cleaved at brushborder
AKKKK	o peptidetide cleaved at brushborder
KKKKK	o peptidetide cleaved at brushborder
LWMRFA	o peptidetide cleaved at brushborder
KKKKKK	o peptidetide cleaved at brushborder
VAKIVG	o peptidetide cleaved at brushborder
VCGE	o insulin B fragment
LCGS	o insulin B fragment
LVCG	o insulin B fragment
ELR	o neutrophil chemotactic peptide
ELRC	o neutrophil chemotactic peptide
AELR	o part of NAP-2
SSSGEHFEGEKVFHVNVEDENDIQ	p pro-carboxypeptidase B
KEDFVGHQVLRISVDDEAQVQVKEL	p carboxypeptidase A activation
peptide	
MAGRGGSRVLALCAALAAGGWLLAA	r carboxypeptidase E signal peptide
KEDFVGHQVLRITAADAEVQ	p pro-carboxypeptidase A
TTGHSYEK	p cleavage procarboxypeptide B
SVLEAQFDSR	p cleaved F4 procarboxypeptidase B
HHDGEHFEGEKVFR	p cleaved procarboxypeptidase B
YVTR	h proelastase
VVGG	h proelastase 2
YVTR	h proelastase activation sequence
AAPPRGR	o profactor D fragment
APPRGR	o profactor D fragment
STFWAYQPDGDNDPTDYQKYEHTSSPS	QLLAPGDYPCVIE r CCK-releasing factor
GRGDSP	o integrin endothelial (RGD)
GRGESP	o integrin endothelial (RGE)
APGPR	r enterostatin (gut)
vpgpr	r enterostatin (pancreas)
FMRF	o mulluscan cardioexcitatory
LRDRDDIA	r C-terminal glucagon pancreatic peptide
APVD	r glucagonoma precursor

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[illegible]

- r Thyrotropin Re Hormone
- h composition of aa gliadin
- h composition of aa gliadin
- o proglucagon
- o preprogastrin, preproCCK
- o pancreatic peptide cleavage produce
- LDLVTRQRY o PYY (pancreatic peptide
- o adrenocorticotropin hormone fragment H
- o adrenocorticotropin hormone fragment H
- p Angiotensin II fragment
- o Angiotensin II fragment horse
- p Angiotensin III fragment
- p Angiotensinogen fragment
- o bradykinin fragments 1-5
- o bradykinin fragments 1-6
- o bradykinin fragments 1-7
- o bradykinin fragments 2-7
- o chemotactic factor for eosinophils
- o chemotactic factor for eosinophils
- o fMLP w/ Phe group
- o fMLP class
- o fMLP class
- o leucine enkephalin lys
- o ser-leu enkephalin-thr
- o met enkephalin arg phe
- o D-met, pro enkephalinamide
- o supports fibroblast attachment
- o supports fibroblast attachment
- o CCK fragment 30-33
- o leutenizing hormone fragment
- o alpha-melanocyte stimulatory hormone
- o delta-melanocyte stimulatory hormone
- o beta-casomorphin
- o beta-casomorphin fragment 1-3
- o D-ala,tyr- fragment 1-5 amide
- o D-arg,lys fragment 1-4 amide
- h hypercalcemia of malignancy factor
- o substance P fragment 1-4
- o substance P fragment 5-11
- o substance P fragment 7-11
- o thymopoietin II fragment 32-6
- o U5 peptide
- h C3a 72-77 fragment
- o hydra peptide fragment 7-11
- o leukopyrokinin fragment 4-8
- o RGD related peptide
- o lys-thymosin alaphal fragment
- o responsible for nicks at purine in DNA
- r prothrombin precursor 5-9
- o alpha1 mating factor fragment